

Journal of

Neurology

Zeitschrift für Neurologie

Vol. 216 - 1977

Editorial Board

M. Alter Philadelphia · **H. Bauer** Göttingen · **P. Castaigne** Paris
C. Fazio Roma · **E. J. Field** Newcastle upon Tyne
H. C. Hopf Mainz · **J. A. Kappers** Amsterdam
A. Lowenthal Antwerpen · **C. D. Marsden** London
S. Refsum Oslo · **H. Reisner** Wien · **G. Schaltenbrand** Würzburg
K. Schürmann Mainz · **W. Tönnis** Köln · **K. J. Zülch** Köln
M. Mumenthaler Bern (Editor-in-Chief)

Advisory Board

R. Ch. Behrend Hamburg · **T. Broman** Göteborg
J. A. N. Corsellis Wickford · **O. Creutzfeldt** Göttingen
H. vander Eecken Gent · **R. A. Frowein** Köln
J. Hausmanowa-Petrusewicz Warszawa · **A. Hopf** Düsseldorf
W. Kahle Frankfurt a. M. · **H. H. Kornhuber** Ulm
H. Kuhlendahl Düsseldorf · **Y. Kuroiwa** Fukuoka
F. L. McNaughton Montreal · **H. Narabayashi** Tokyo
E. Niedermeyer Baltimore · **H. W. Pia** Giessen
K. Poeck Aachen · **G. Quadbeck** Heidelberg · **U. K. Rinne** Turku
W. Schiefer Erlangen · **L. Symon** London · **R. F. Schmidt** Kiel
W. Wechsler Köln · **S. Wende** Mainz
M. Wiesendanger Fribourg · **W. Zeman** Lahnstein



Springer International

Journal of Neurology Zeitschrift für Neurologie

Vol. 1—197: Deutsche Zeitschrift für Nervenheilkunde. Founded in 1891 by W. Erb, L. Lichtheim, Fr. Schultze and A. Strümpell, edited by W. Erb, L. Lichtheim, Fr. Schultze, A. Strümpell, M. Nonne, V. v. Weizsäcker, H. Pette, H. Spatz, P. Vogel et al.

Vol. 198—206 (1970—1974): Zeitschrift für Neurologie — Journal of Neurology Vol. 1—152 Leipzig and Berlin, F. C. W. Vogel, from Vol. 153 (1942) Berlin, Springer.

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions, also in microform, is transferred to the publisher.

The use of registered names, trademarks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

Springer-Verlag Berlin Heidelberg New York

Printed in Germany by J. P. Peter, Gebr. Holstein, Rothenburg o. d. Tbr.

© by Springer-Verlag Berlin Heidelberg 1977

Contents

Original Investigations and Short Communications

Bauer, H. J., s. Kratzsch, V., et al. 39

Bauer, H. J., s. Wikström, J., et al. 47

Berendes, K., Dörstelmann, D.: Strahlenmyelopathie — Zwei ungewöhnliche Verläufe 73

Bethlem, J., s. van Wijngaarden, G. K., et al. 163

Beyeler, F., s. Ludin, H. P. 173

Caccia, M. R., Comotti, B., Ubiali, E., Lucchetti, A.: Vincristine Polyneuropathy in Man.
A Clinical and Electrophysiological Study 21

Campiche, R., s. Michal, A., et al. 265

Carenini, L., s. Scarlato, G., et al. 235

Carton, H., s. Gosseye-Lissoir, F., et al. 197

Cavallo, R. J., s. Michal, A., et al. 265

Cendrowski, W., s. Polna, I. 301

Choné, B. K. F., s. Kölmel, H. W. 1

Cöers, C., s. van Wijngaarden, G. K., et al. 163

Collard, M., s. Michotte, Y., et al. 127

Comotti, B., s. Caccia, M. R., et al. 21

de Crousaz, G., s. Michal, A., et al. 265

Czyżewski, K.: The Effect of Hydrocortisone on the Serum Creatine Kinase Activity
of Muscles Diseases 283

Delmotte, P., s. Gonsette, R. E., et al. 27

Delmotte, P., s. Gosseye-Lissoir, F., et al. 197

Demonty, L., s. Gonsette, R. E., et al. 27

Dingemans, K. P., s. van Wijngaarden, G. K., et al. 163

Dörstelmann, D., s. Berendes, K. 73

Duchesne, J., s. Palo, J., et al. 217

Ehrmann, L., s. Mamoli, B., et al. 119

Eichelbaum, M., s. Gugler, R., et al. 155

Eickhoff, K., s. Kratzsch, V., et al. 39

Eickhoff, K., s. Wikström, J., et al. 47

Field, E. J., Meyer-Rienecker, H. J., Shenton, B. K., Jenssen, H. L., Köhler, H.: Ano-
malous Lymphocyte-Antigen Reaction in Relatives of Multiple Sclerosis Patients.
A Study of a Possible Genetic Factor in the Disease 135

Friede, R. L., s. von Hochstetter, A. R. 227

Fröscher, W., s. Gugler, R., et al. 155

Galland, J., s. Lowitzsch, K., et al. 181

Gérard, J. M., s. van Wijngaarden, G. K., et al. 163

Gonsette, R. E., Delmotte, P., Demonty, L.: Failure of Basic Protein Therapy for Mul-
tiple Sclerosis 27

Gosseye-Lissoir, F., Delmotte, P., Carton, H.: Biochemical Findings in Multiple Sclerosis.
V. Transformation of Lymphocytes from Patients with Multiple Sclerosis by Human
Basic Protein 197

Gugler, R., Fröscher, W., Eichelbaum, M., Hildenbrand, G.: The Bioavailability of Phe-
nytoin 155

Hara, M., Takeuchi, K.: A Temporal Study of Survival of Patients with Pontine Gliomas 189

Heipertz, R., Pilz, H., Scholz, W.: The Fatty Acid Composition of Sphingomyelin from
Adult Human Cerebral White Matter and Changes in Childhood, Senium and Un-
specific Brain Damage 57

Herishanu, Y., Milwitzki, A.: Trigeminal Neuralgia Induced by Nitrofurantoin Treatment	77
Hertel, G., s. Ricker, K., et al.	9
Hertel, G., s. Ricker, K., et al.	273
Hertel, G., s. Ricker, K., et al.	33
Hildenbrand, G., s. Gugler, R., et al.	155
Hirayama, K., s. Saito, M., et al.	79
von Hochstetter, A. R., Friede, R. L.: Residual of Cerebral Fat Embolism	227
Hopf, H. C., s. Lowitzsch, K., et al.	181
Hopf, H. C., s. Maurer, K., et al.	67
Jenssen, H. L., s. Field, E. J., et al.	135
Karcher, D., Noppe, M., Lowenthal, A.: A Heat Stable Serum Inhibitor of an Antigen Antibody Reaction of Subacute Sclerosing Panencephalitis	51
Kiessling, W. R., s. Kratzsch, V., et al.	39
Kiessling, W. R., s. Wikström, J., et al.	47
Kjellin, K. G., s. Sidén, A.	251
Knaepen, L., s. Michotte, Y., et al.	127
Köhler, H., s. Field, E. J., et al.	135
Kölmel, H. W., Choné, B. K. F.: Combined Application of Cytodiagnostic Technics to the Cerebrospinal Fluid	1
Kratzsch, V., Kiessling, W. R., Wikström, J., Meyer, D. W., Eickhoff, K., Poser, S., Bauer, H. J.: Complement Dependent Cytotoxic Antibody Activity against Measles Virus in Multiple Sclerosis	39
Kratzsch, V., s. Wikström, J., et al.	47
Langscheid, K., s. Ricker, K., et al.	9
Lowenthal, A., s. Karcher, D., et al.	51
Lowenthal, A., s. Michotte, Y., et al.	127
Lowitzsch, K., Hopf, H. C., Galland, J.: Changes of Sensory Conduction Velocity and Refractory Periods with Decreasing Tissue Temperature in Man	181
Lowitzsch, K., s. Maurer, K., et al.	67
Lucchetti, A., s. Caccia, M. R., et al.	21
Ludin, H. P., Beyeler, F.: Temperature Dependence of Normal Sensory Nerve Action Potentials	173
Mamoli, B., Neumann, H., Ehrmann, L.: Recurrent Bell's Palsy. Etiology, Frequency, Prognosis	119
Marttila, R. J., Rinne, U. K., Siirtola, T., Sonninen, V.: Mortality of Patients with Parkinson's Disease Treated with Levodopa	147
Massart, D. L., s. Michotte, Y., et al.	127
Maurer, K., Hopf, H. C., Lowitzsch, K.: Hypokalemia Shortens Relative Refractory Period of Peripheral Sensory Nerves in Man	67
Meola, G., s. Scarlato, G., et al.	235
Meyer, D. W., s. Kratzsch, V., et al.	39
Meyer, J. G., s. Neundörfer, B., et al.	207
Meyer-Rienecker, H. J., s. Field, E. J., et al.	135
Meyer, D. W., s. Wikström, J., et al.	47
Michal, A., Regli, F., Campiche, R., Cavallo, R. J., de Crousaz, G., Oberson, R., Rabonowicz, Th.: Cerebral Coenurosis. Report of a Case with Arteritis	265
Michotte, Y., Massart, D. L., Lowenthal, A., Knaepen, L., Pelsmaekers, J., Collard, M.: A Morphological and Chemical Study of Calcification of the Choroid Plexus	127
Milwitzki, A., s. Herishanu, Y.	77
Minkenberg, R., s. Tackmann, W., et al.	289
Narabayashi, H., s. Saito, M., et al.	79
Neumann, H., s. Mamoli, B., et al.	119
Neundörfer, B., Meyer, J. G., Volk, B.: Amyloid Neuropathy Due to Monoclonal Gammopathy. A Case Report	207
Noppe, M., s. Karcher, D., et al.	51

Oberson, R., s. Michal, A., et al.	265
Palo, J., Duchesne, J., Wikström, J.: Malignant Diseases among Patients with Multiple Sclerosis	217
Pelsmaekers, J., s. Michotte, Y., et al.	127
Pilz, H., s. Heipertz, R., et al.	57
Polna, I., Cendrowski, W.: Serological Studies on the Etiological Role of Measles-Like Virus in Subacute Sclerosing Panencephalitis	301
Poser, S., s. Kratsch, V., et al.	39
Poser, S., s. Wikström, J., et al.	47
Rabonowicz, Th., s. Michal, A., et al.	265
Regli, F., s. Michal, A., et al.	265
Ricker, K., Hertel, G., Langscheid, K., Stodieck, G.: Myotonia not Aggravated by Cooling. Force and Relaxation of the Adductor Pollicis in Normal Subjects and in Myotonia as Compared to Paramyotonia	9
Ricker, K., Hertel, G., Stodieck, S.: Influence of Temperature on Neuromuscular Transmission in Myasthenia Gravis	273
Ricker, K., Hertel, G., Stodieck, G.: Increased Voltage of the Muscle Action Potential of Normal Subjects after Local Cooling	33
Rinne, U. K., s. Marttila, R. J., et al.	147
Ritter, G., s. Wikström, J., et al.	47
Saito, M., Tomonage, M., Hirayama, K., Narabayashi, H.: Histochemical Study of Normal Human Muscle Spindle. Histochemical Classification of Intrafusal Muscle Fibers and Intrafusal Nerve Endings	79
Scarlato, G., Valli, G., Meola, G., Carenini, L.: Quantitative EMG and Histological Carrier Detection of Duchenne Muscular Dystrophy	235
Scholz, W., s. Heipertz, R., et al.	57
Seyfert, S., Straschill, M.: Reversible Spastic and Pyramidal Tract Signs in a Patient with Parkinson's Disease on L-Dopa	223
Shenton, B. K., s. Field, E. J., et al.	135
Sidén, Å., Kjellin, K. G.: Isoelectric Focusing of CSF and Serum Proteins in Neurological Disorders Combined with Benign and Malignant Proliferations of Reticulocytes, Lymphocytes and Plasmocytes	251
Siirtola, T., s. Marttila, R. J., et al.	147
Sjaastad, O., Sjaastad, Ø. V.: Histamine Metabolism in Cluster Headache and Migraine. Catabolism of ¹⁴ C Histamine	105
Sjaastad, Ø. V., s. Sjaastad, O.	105
Sjaastad, Ø. V., s. Sjaastad, O.	91
Sjaastad, O., Sjaastad, Ø. V.: Urinary Histamine Excretion in Migraine and Cluster Headache. Further Observations	91
Sonninen, V., s. Marttila, R. J., et al.	147
Stodieck, S., s. Ricker, K., et al.	273
Stodieck, G., s. Ricker, K., et al.	9
Stodieck, G., s. Ricker, K., et al.	33
Straschill, M., s. Seyfert, S.	223
Strengé, H., s. Tackmann, W., et al.	289
Tackmann, W., Minkenberg, R., Strengé, H.: Correlation of Electrophysiological and Quantitative Histological Findings in the Sural Nerve of Man. Studies on Alcoholic Neuropathy	289
Takeuchi, K., s. Hara, M.	189
Telerman-Toppet, N., s. van Wijngaarden, G. K., et al.	163
Tomonage, M., s. Saito, M., et al.	79
Ubiali, E., s. Caccia, M. R., et al.	21
Valli, G., s. Scarlato, G., et al.	235
Volk, B., s. Neundörfer, B., et al.	207
van Wijngaarden, G. K., Bethlem, J., Dingemans, K. P., Cöers, C., Telerman-Toppet, N., Gérard, J. M.: Familial Focal Loss of Cross Striations	163

Wikström, J., Meyer, D. W., Eickhoff, K., Ritter, G., Poser, S., Bauer, H. J., Kratzsch, V., Kiessling, W. R.: Serological Response of Multiple Sclerosis Patients and Controls to 6/94-Parainfluenza Virus	47
Wikström, J., s. Kratzsch, V., et al.	39
Wikström, J., s. Palo, J., et al.	217

Indexed in Current Contents

Index of the Key words

- Adductor pollicis muscle 33
- Amyloidosis 207
- Antioxidant (selenium) 217
- Antiepileptic therapy 155
- Arteritis with coenurosis 265
- Atrophy of white matter 227
- Basic protein 27, 197
- Bell's palsy, recurrent 119
- Brain stem 189
- Calcification of choroid plexus 127
- Cancer 217
- Carriers 283
- Carrier, Duchenne 235
- Cerebral white matter 57
- Cestodes, cerebral 265
- Cluster headache 91, 105
- Coenurosis, cerebral 265
- Coma, posttraumatic 227
- Complement dependent cytotoxic antibodies 39
- Compound muscle action potential 33
- Conduction velocity, sensory 173, 181
- Correlation, electrophysiological and histological 289
- Creatine kinase 283
- Cross striations, loss of 163
- CSF and serum proteins 251
- cytology 1
- Dementia, posttraumatic 227
- Demyelination 57, 227
- Duchenne's progressive muscular dystrophy 283
- Electromyography 181
- , quantitative in Duchenne 235
- Epidemiology 217
- Epilepsy 155
- Facial palsy 119
- Familial studies 135
- Fat embolism cerebral 227
- Fatty acid composition 57
- Fluorescent stain 1
- Fusimotor endings 79
- Fusisensory endings 79
- Genetic background 135
- Glioma 189
- Hemagglutinationinhibition 47
- Histamine 91, 105
- metabolism 91, 105
- urinary 91
- Histochemistry 79
- Hodgkin's disease 21
- Hydrocortisone 283
- Hyperimmunization 51
- Hypokalemia 67
- Immunoglobulins 51
- Inhibiting factor 51
- Intrafusal fiber types 79
- Isoelectric focusing 251
- Isometric muscle twitch 33
- tetanic force 273
- L-Dopa 223
- Local muscle cooling 33, 273
- Low radiation dose 73
- temperature ashing 127
- Lymphocyte sensitization 135
- stimulation tests 197
- Malabsorption 207
- Malignant lymphoma 21
- Measles antibody 301
- virus 39, 301
- MEM-LAD(linoleic acid depression) test 135
- Migraine 91, 105
- Monoclonal gammopathy 207
- Mortality from Parkinson's disease 147
- Multiple sclerosis 27, 39, 47, 135, 197, 217
- Muscle action potential 273
- cooling 9
- histology in Duchenne 235
- relaxation 9
- spindle, normal 79
- Muscular dystrophy, Duchenne type 235
- Myasthenia gravis 33, 273
- Myeloma 207
- Myopathy congenital 163
- Myotonia congenita 9
- Myotonic after-contraction 9
- Neoplastic diseases 251
- Neurological syndromes 251
- Neuromuscular transmission 273
- Neuropathy, alcoholic 289
- Nitrofurantoin 77
- Panoptic stain 1
- 6/94-parainfluenza virus 47
- Paramyotonia 9
- Parkinson's disease 223
- disease Levodopa treatment 147
- disease mortality 147

Peripheral neuropathy 207
Phenytoin 155
Polyneuropathy 21
Pons 189
Pyramidal tract signs 223

Radiation myelopathy 73
Refractory period 67, 181

Scanning electron microscopy 127
Sensory conduction velocity 67
Spasticity 223
Sphingomyelin 57

Subacute sclerosing panencephalitis 51, 301
Sural nerve 289

Temperature dependence 173
3H thymidine autoradiography 1
Tissue temperature and conduction velocity
181

Trace elements 127
Trigeminal neuralgia 77
Tumor cell identification 1
Twitch force 9

Ventricular enlargement 227
Vincristine polyneuropathy 21